

## ABSTRACT

### MOBILE COMMUNICATION SYSTEM USING LOSS CABLES AS TRANSMISSION ELEMENTS

Runs of loss cable are disposed in succession along a zone of radio coverage and coupled with feeder means from base stations of a cellular mobile communication network. The feeder means apply first radio frequency signals from a first base station to a first cable run and second radio frequency signals from a second base station to a second cable run, adjacent to the first run. They also apply at least part of the second radio frequency signals to the first cable run, preferably attenuated relative to the first radio frequency signals as applied to the first cable run, creating a zone of partial coverage between adjacent cells in order to facilitate operation of an automatic cell changeover during calls.

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